SBR no. 29/15-16
30-6-15

Original/Duplicate/Triplicate

P.W.G. 17 — 1st and final Bill — **CONTRACT CERTIFICATE** — Reference paras 158 & 170

NO

Division Yelahanka — Sub division Yelahanka New Town — Date

YNK-DBR No 73 Date 30.06.15

Bills received No — Sub-divisional — Cash book vr No

Divisional — Date

Scheduled Docket No — Head of account

Name of work(as per sanctioned estimate) :- **NAME OF WORK :Cement conctrete road and drains in Chikkabettahalli, Aishwarya bakery road and surrouding roads in Attur ward no 03 of YSTSD**

Work code:003-14-000053

Technical Manager (west)

Name of contractor and full address :-

Reference to agreement No :- 467 — Estimated cost :49.00 — W.O.No:467, dt:05/2/2014

Certified that the measurments were taken by me on 30/6/15 and recorded on pages 212221 to 40 of measurment book No 213 and the work is satisfactorily executed by the contractor.

Signature of contractor

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

30/6/15

D.N Pandey
Assistant Engineer

Certified that the measurments were taken by me on and recorded correct.The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional Officer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%---------		
3) Balance---		
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount		
b) Cost of payments/stores or other materials supplied now made recovery of Amount paid on this bill by cheque/cash		
Total		
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book		
7) Net amount due to or from contractor.		
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied.		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum
(in final settlement of all demand)

Witness
1)

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Receipt Stamp

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

2)

Dated signature of contractor
paid by me cheque No dated

Cash Rs

Date — Initials of officer making payment — Date

Executive Engineer

Added & Admitted for Rs. 4828947/-

and Rs. 764927

Asst. Exe. Engineer
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division
BBMP

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials labour, HOM	Sqm			880.00	2.59	2279.20	880.00	2279.20
2	KSRB 2-2.2:Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of	Cum			670.40	227.88	152770.75	670.40	152770.75
3	KSRB 2-1.1:Earthwork in surface excavation in hard soil for levelling and lowering the ground manualluy (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled and after breaking	Cum			110.00	177.12	19483.20	110.00	19483.20

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
4	KSRRB M400-17.Providing, laying, spreading and compacting graded stones aggregate to Wet mix macadam specifications incluidng pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory	Cum			110.00	1121.04	123314.40	110.00	123314.40
5	KSRRB M500-6:Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 Kg/sqm using maechanical	Sqm			440.00	44.28	19483.20	440.00	19483.20
6	KSRRB 500-10:Tack coat:Providing and applying tack coat with bitumen emulsion pressure distributor at the rate of 0.20 Kg per sqm on the prepared bituminous/ granular surface cleaned with mechanical broom, complete as per specifications. MORTH Specification No.502	Sqm			1320.00	11.99	15826.80	1320.00	15826.80

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
7	KSRRB M500-13: Providing and laying bituminous macadam 50mm thick with 100-120 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bitiminous binder, transported to site, laid over a previously prepared surface with paver finisher to the requried grade, level and alignment and rolled as per Clauses 501.6 and 501.7 to achieve the	Cum			66.00	6667.92	440082.72	66.00	440082.72
8	KSRRBM 500-19: Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bitiminous binder at 5.4 to 5.6% pf ,ox and filler, transporting the hot mix to work site, laing with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.500.8 complete in all respects as per	Cum			52.80	11452.32	604682.50	52.80	604682.50

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
9	KSRRB M800-13 .1:Providing and laying of hot applied themoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area thickness of 2.5 mm is exclusive of surface applied glass beads as per	Sqm			44.00	471.96	20766.24	44.00	20766.24
10	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregate @0.85 cum and fine aggregate @0.57 cum	Cum			107 108.48	4290.84	459119 465470.32	107 108.48	459119 465470.32
11	KSRB 5.2-3:Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6 stone hammered dressed in courses not less than 20 cms high, bond stones at two m, apart in each	Cum			237.60	3484.22	827850.67	237.60	827850.67
12	Providing ruled pointing stone masonry with cement mortor 1:3 20 mm deep after raking joints to depth of 20 mm neeely lining incldiing cost of	Cum			528.00	78.44	41416.32	528.00	41416.32

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
13	KSRB 4-1.6:Providing and laying in position plain cement concrete of mix M15 with cement @240kgs with 20mm and down size graded granite metal, coarse aggregate @0.878cum and fine aggregate @0..459 cummachine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of	Cum			74.80	4779.00	357469.20	74.80	357469.20
14	Providing and fixing 10 cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcopacted cost of all materials labour curing	Sqm			528.00	1498.00	790944.00	528.00	790944.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
15	KSRB 4.2.2:Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs, with 20mm and down size graded granite metal coarse aggregates @0.878 cum and fine aggregates @ 0.459 cum, with superplastisiser @ 3lts confirming to IS 9103-1999 Reaffirmed -2008, machine mixed, concrete laid in layres not exceeding 15 cms, thick vibrated for all works in foundation plinth and ground flour level for roof slabs, staircase,lintles, retaining walls, return walls, walls (any	Cum			12.54	5639.76	70722.59	12.54	70722.59
16	KSRB 4.9-1:Providing T.M.T Steel reinforcement for RCC Work including straightening, cutting, bending hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wasstge shall not be measured and paid) cost of materials labour HOM of	qtl			12.54	7380.72	92554.23	12.54	92554.23

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
17	KSRB 4-6.4:Providing and removing centering, shuttering, strutting proppoing etc, and removal of formwork for Vertical surface such as walls at any thickness including attached pilasters butresses, plinth and string courses cost of	Sqm			46.50	271.08	12605.22	46.50	12605.22
18	5.29(b) Providing and fixing Pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with toop and bottom wideth 114 and 165 mm respectively 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, includng form work, curing, including cost of all materials, labour hire charges of	nos			978.00	267.84	261947.52	978.00	261947.52
19	KSRRB 15-19.1:Providing and applying ready mix priming coat over concrete/ masonry/ asbestos cement sheet/ plastered surfaces including preparing the surface after thoroughly cleaning of oil grease, dirt and other foreign matter, and sand preparing including cost of materials	Sqm			198.00	23.76	4704.48	198.00	4704.48
20	KSRRB M500-6:Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 Kg/sqm using mechanical	Sqm			198.00	44.28	8767.44	198.00	8767.44

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurment		Present Measurment			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
21	KSRRB M100-1 Loading and unloading of stone boulder/ stone aggregates/ sand/ kanker/ moorum, KSRRB M100-1:Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per	Sqm			802.40	94.82	76083.57	802.40	76083.57
							4409224.57		4409224.57
					KRIDL 11%		485014.70		485014.70
					G TOTAL		4894239.27		4894239.27

Asst. Engineer
Ward no:03

Asst. Executive Engineer
Yelahanka New Town Sub Division
BBMP, Bangalore-64.